

## Res. Asst. NAZLI ECE VARAN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Kimya, Turkey 2021 - Continues

Postgraduate, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, Turkey 2018 - 2021

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 2011 - 2017

### Research Areas

Biochemistry, Biotechnology, Enzyme Kinetics

### Academic Titles / Tasks

Research Assistant, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 2020 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Immobilization of pullulanase from *Bacillus licheniformis* on magnetic multi-walled carbon nanotubes for maltooligosaccharide production**  
VARAN N. E., ALAGÖZ D., Toprak A., KORKMAZ GÜVENMEZ H., YILDIRIM D.  
Chemical Papers, 2024 (SCI-Expanded)
- II. **Thermoluminescence and optically stimulated luminescence properties of NaMgF<sub>3</sub>:Dy,Eu synthesized by hydrothermal method and DFT calculations for the bandgap**  
Guckan V., Bokhari S., Altunal V., Varan N. E., Kurt K., Yildiz I., Gao W., Yegingil Z.  
MATERIALS RESEARCH BULLETIN, vol.167, pp.112373, 2023 (SCI-Expanded)
- III. **Effective immobilization of lactate dehydrogenase onto mesoporous silica**  
Alagöz D., Toprak A., Varan N. E., Yıldırım D., Tükel S. S.  
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol.69, no.6, pp.2550-2560, 2022 (SCI-Expanded)
- IV. **Optimization of the immobilization of xylanase from *Thermomyces lanuginosus* to produce xylooligosaccharides in a batch type reactor**  
Alagöz D., Varan N. E., Yıldırım D., Fernández-Lafuente R.  
MOLECULAR CATALYSIS, vol.531, pp.112647, 2022 (SCI-Expanded)
- V. **Immobilization of Ene Reductase in Polyvinyl Alcohol Hydrogel**  
Alagöz D., Varan N. E., Toprak A., Tükel S. S., Yıldırım D.  
PROTEIN JOURNAL, vol.41, no.3, pp.394-402, 2022 (SCI-Expanded)

**VI. Immobilization of xylanase on differently functionalized silica gel supports for orange juice clarification**

Alagöz D., Varan N. E., Toprak A., Yıldırım D., Tükel S. S., Fernandez-Lafuente R.  
PROCESS BIOCHEMISTRY, vol.113, pp.270-280, 2022 (SCI-Expanded)

**Refereed Congress / Symposium Publications in Proceedings**

- I. **Immobilization of Protease from Bacillus sp. on Magnetic Multi-Walled Carbon Nanotubes**  
Varan N. E., Toprak A., Alagöz D., Yıldırım D., Tükel S. S., Fernandez Lafuente R.  
5th Eurasia Biochemical Approaches & Technologies Congress (EBAT), Antalya, Turkey, 2 - 05 November 2023, pp.66
- II. **Modulation of catalytic performance of protease from Bacillus sp. via immobilization on differently modified multi-walled carbon nanotubes**  
Toprak A., Varan N. E., Alagöz D., Yıldırım D.  
IV. International Enzyme and Bioprocess Days, Kars, Turkey, 7 - 09 September 2023, pp.55
- III. **Covalent Immobilization of Xylanase on Modified Nickel-Multi-walled Carbon Nanotube Particles for Synthesis of Xylooligosaccharides**  
Varan N. E., Alagöz D., Yıldırım D., Tükel S. S., Fernandez-Lafuente R.  
4th Eurasia Biochemical Approaches&Technologies , Antalya, Turkey, 3 - 06 November 2022, pp.145
- IV. **Immobilization of L-Asparaginase on Magnetic Nanoparticles**  
Varan N. E., Yücebilgiç G.  
4th Eurasia Biochemical Approaches & Technologies, Antalya, Turkey, 3 - 06 November 2022, pp.250
- V. **A Lactate Biosensor Based on L-Lactate Dehydrogenase Immobilized onto Carboxylated Multiwalled Carbon Nanotubes/Polyaniline/Pencil Graphite Electrode**  
Alagöz D., Varan N. E., Sığircık G., Toprak A., Yıldırım D., Tüken T.  
3rd Eurasia Biochemical Approaches & Technologies (EBAT), Antalya, Turkey, 4 - 07 November 2021, pp.143
- VI. **Immobilization of Ene-Reductase in Polyvinyl Alcohol Hydrogel**  
Varan N. E., Toprak A., Alagöz D., Tükel S. S., Yıldırım D.  
3.EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT) CONGRESS, Antalya, Turkey, 4 - 07 November 2021, pp.142
- VII. **Immobilization and stabilization of a NADP-dependent multimeric alcohol dehydro-genase from E.coli**  
VARAN N. E., ALAGÖZ D., TÜKEL S. S., YILDIRIM D.  
2. EURASIA BIOCHEMICAL APPROACHES TECHNOLOGIES (EBAT) CONGRESS, 26 - 29 October 2019
- VIII. **Characterization of Lactate Dehydrogenase Immobilized onto Mesoporous Silica**  
ALAGÖZ D., YILDIRIM D., TOPRAK A., VARAN N. E., TÜKEL S. S.  
2. EURASIA BIOCHEMICAL APPROACHES TECHNOLOGIES (EBAT) CONGRESS, 26 - 29 October 2019

**Supported Projects**

YÜCEBİLGİÇ G., FAKI E., YILDIRIM D., ALAGÖZ D., VARAN N. E., TOPRAK A., Project Supported by Higher Education Institutions, POLİPİROL KAPLI ITO ELEKTROT ÜZERİNE DLAKTAT DEHİDROGENAZIN İMMOBİLİZASYONU İLE ELDE EDİLEN LAKTAT BİYOSENSÖRÜNÜN KARAKTERİZASYONU VE LAKTAT MİKTARININ BELİRLENMESİNDE KULLANILMASI, 2024 - Continues

YILDIRIM D., BALOĞLU M. C., TOPRAK A., ISSE Q. A., KORKMAZ GÜVENMEZ H., FERNANDEZ-LAFUENTE R., YÜCEBİLGİÇ G., BİLGİN R., ALAGÖZ D., VARAN N. E., et al., Project Supported by Higher Education Institutions, Gıda endüstrisine yönelik doğal izolat Bacillus suşlarından akrilamid giderimi için L-asparajinaz üretimi ve immobilizasyonu, 2024 - Continues

YÜCEBİLGİÇ G., VARAN N. E., Project Supported by Higher Education Institutions, Doku Mühendisliğinde Kullanılan

Hidrojellerin Sentezi ve Karakterizasyonu, 2023 - Continues

ALAGÖZ D., YÜCEBİLGİÇ G., YILDIRIM D., TOPRAK A., VARAN N. E., GİRAY E. S., BİLGİN E., Project Supported by Higher Education Institutions, Beyin Kanseri Hücrelerine Kumarin Türevi Bileşiklerin Etkisinin İncelenmesi, 2023 - Continues

YILDIRIM D., TOPRAK A., ALAGÖZ D., VARAN N. E., BİLGİN R., Project Supported by Higher Education Institutions, Omega-3 yağ asitlerinin çok duvarlı karbon nanotüplere immobilize Rhizomucor miehei lipazı ile zenginleştirilmesi, 2023 - Continues

ALAGÖZ D., ÖZKAN G. M., AKILLI R., Tunçkol H., AKILLI H., VARAN N. E., Project Supported by Higher Education Institutions, 3B Biyomimetik İnsan Kalp Kapakçığı Basımı, 2023 - Continues

ALAGÖZ D., VARAN N. E., TÜKEN T., YILDIRIM D., TOPRAK A., Project Supported by Higher Education Institutions, Polianilin Kaplı Grafen Elektrot Üzerine LLaktat Dehidrogenazın İmmobilizasyonu ile Elde Edilen Laktat Biyosensörünün Karakterizasyonu ve Laktat Miktarının Belirlenmesinde Kullanılması, 2020 - 2023

## Metrics

Publication: 14

Citation (WoS): 3

Citation (Scopus): 7

H-Index (WoS): 1

H-Index (Scopus): 1